

50200201
Uinta-Piceance Basin Conventional Gas
Monte Carlo Results

Forecast: Gas in Gas Fields

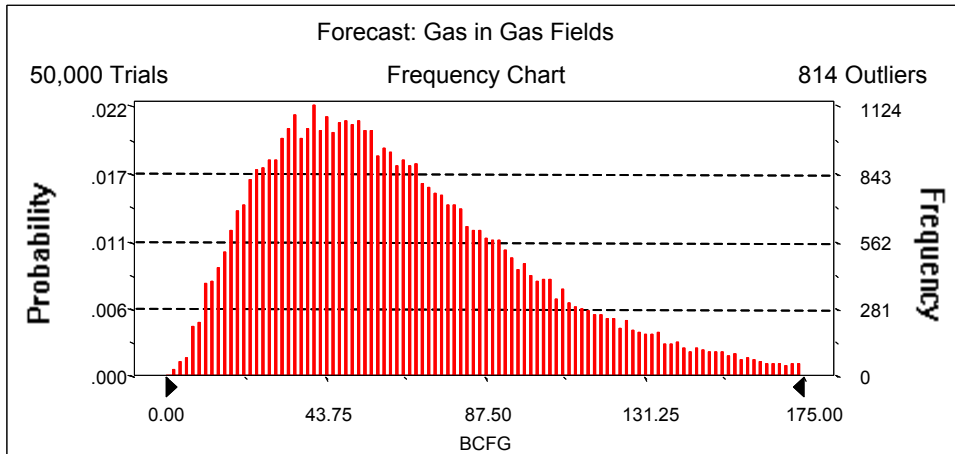
Summary:

Display range is from 0.00 to 175.00 BCFG

Entire range is from 3.06 to 343.30 BCFG

After 50,000 trials, the standard error of the mean is 0.17

Statistics:	Value
Trials	50000
Mean	66.41
Median	58.95
Mode	---
Standard Deviation	38.83
Variance	1,507.65
Skewness	1.19
Kurtosis	5.12
Coefficient of Variability	0.58
Range Minimum	3.06
Range Maximum	343.30
Range Width	340.24
Mean Standard Error	0.17



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Forecast: Gas in Gas Fields (cont'd)

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	3.06
95%	17.91
90%	24.07
85%	29.11
80%	33.78
75%	37.94
70%	42.04
65%	46.23
60%	50.42
55%	54.56
50%	58.95
45%	63.67
40%	68.60
35%	74.06
30%	80.06
25%	86.92
20%	94.61
15%	104.54
10%	118.29
5%	140.12
0%	343.30

End of Forecast

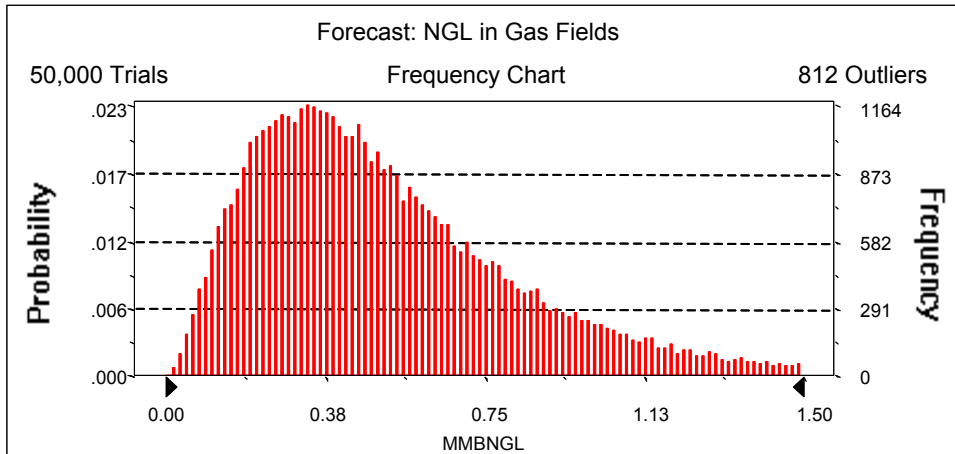
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Forecast: NGL in Gas Fields

Summary:

Display range is from 0.00 to 1.50 MMBNGL
Entire range is from 0.02 to 3.26 MMBNGL
After 50,000 trials, the standard error of the mean is 0.00

Statistics:	Value
Trials	50000
Mean	0.53
Median	0.46
Mode	---
Standard Deviation	0.34
Variance	0.11
Skewness	1.42
Kurtosis	6.11
Coefficient of Variability	0.63
Range Minimum	0.02
Range Maximum	3.26
Range Width	3.24
Mean Standard Error	0.00



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Forecast: NGL in Gas Fields (cont'd)

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	0.02
95%	0.13
90%	0.18
85%	0.22
80%	0.26
75%	0.29
70%	0.32
65%	0.36
60%	0.39
55%	0.42
50%	0.46
45%	0.50
40%	0.54
35%	0.58
30%	0.63
25%	0.69
20%	0.77
15%	0.85
10%	0.98
5%	1.18
0%	3.26

End of Forecast

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Forecast: Largest Gas Field

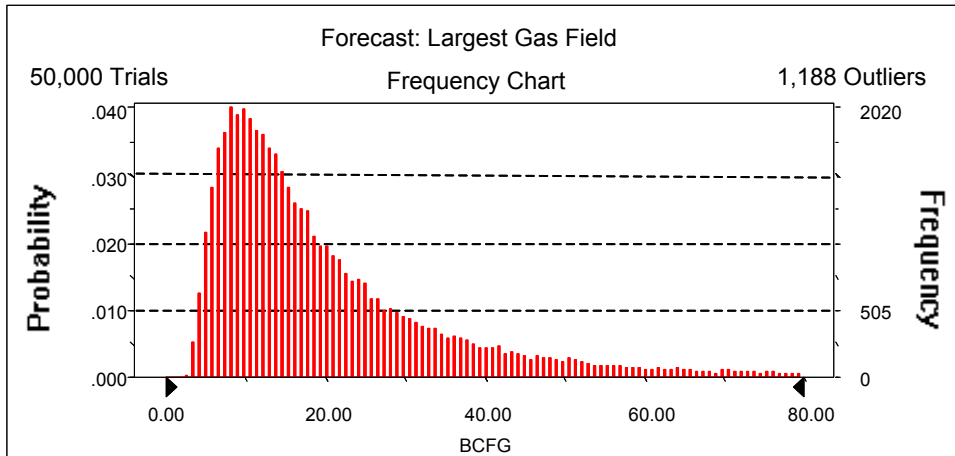
Summary:

Display range is from 0.00 to 80.00 BCFG

Entire range is from 3.06 to 139.93 BCFG

After 50,000 trials, the standard error of the mean is 0.09

Statistics:	Value
Trials	50000
Mean	22.14
Median	16.02
Mode	---
Standard Deviation	19.01
Variance	361.49
Skewness	2.47
Kurtosis	10.80
Coefficient of Variability	0.86
Range Minimum	3.06
Range Maximum	139.93
Range Width	136.88
Mean Standard Error	0.09



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Forecast: Largest Gas Field (cont'd)

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	3.06
95%	5.92
90%	7.13
85%	8.20
80%	9.20
75%	10.20
70%	11.23
65%	12.30
60%	13.44
55%	14.66
50%	16.02
45%	17.57
40%	19.31
35%	21.36
30%	23.80
25%	26.77
20%	30.71
15%	36.03
10%	44.15
5%	60.74
0%	139.93

End of Forecast

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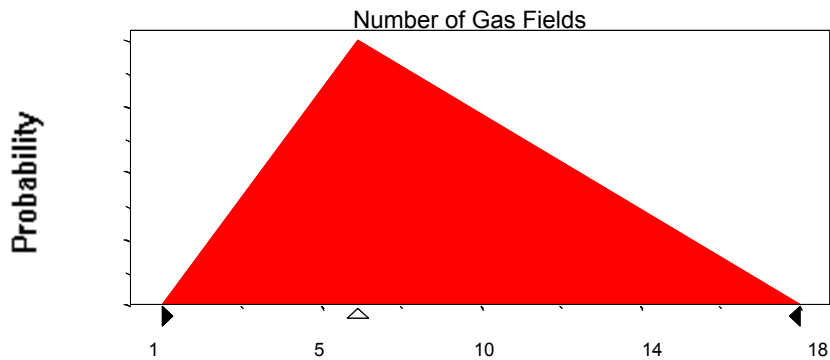
Assumptions

Assumption: Number of Gas Fields

Triangular distribution with parameters:

Minimum	1
Likeliest	6
Maximum	18

Selected range is from 1 to 18
Mean value in simulation was 8



Assumption: Sizes of Gas Fields

Lognormal distribution with parameters:

Mean	5.10
Standard Dev.	11.95

Shifted parameters

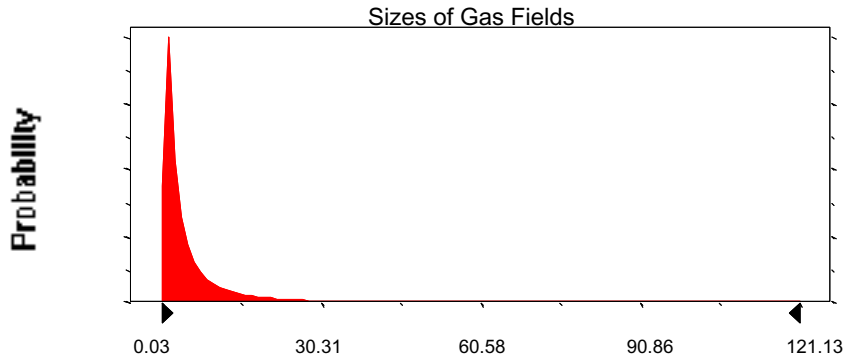
8.10
11.95

Selected range is from 0.00 to 137.00
Mean value in simulation was 4.88

3.00 to 140.00
7.88

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Assumption: Sizes of Gas Fields (cont'd)



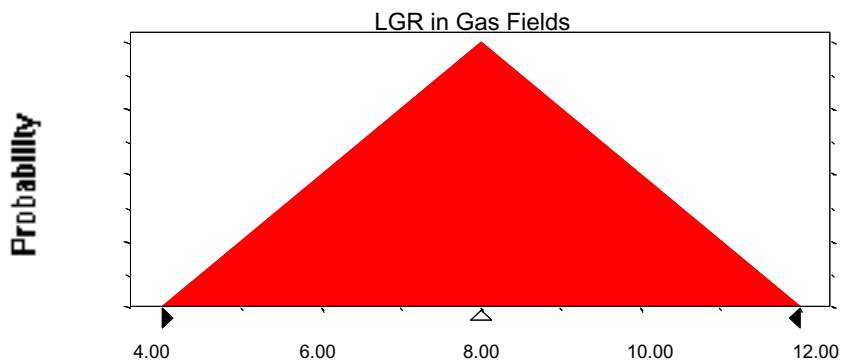
Assumption: LGR in Gas Fields

Triangular distribution with parameters:

Minimum	4.00
Likeliest	8.00
Maximum	12.00

Selected range is from 4.00 to 12.00

Mean value in simulation was 8.01



End of Assumptions

Simulation started on 10/19/00 at 14:33:20

Simulation stopped on 10/19/00 at 14:46:08



***Click here to return to
Chapter 28***